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/*

Experiment No. :    07
Statement      :    Blink an LED with two switches. One switch for
increasing the blinking rate and other for decreasing the
blinking rate.

Date of Exp.   :    xx/xx/xxxx

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*/

const int ledPin = 5;

const int switch1Pin = 6;

const int switch2Pin = 7;


int blinkInterval = 1000;


void setup() {
pinMode(ledPin, OUTPUT);
pinMode(switch1Pin, INPUT_PULLUP);
pinMode(switch2Pin, INPUT_PULLUP);
}

void loop() {

// Check the state of the switches

if (digitalRead(switch1Pin) == LOW) {
blinkInterval = 1000;
blinkLED();
}


if (digitalRead(switch2Pin) == LOW) {

```

```
blinkInterval = 100;

blinkLED();

}

}

void blinkLED() {
digitalWrite(ledPin, HIGH);
delay(blinkInterval);
digitalWrite(ledPin, LOW);
delay(blinkInterval);
}
```

